

ABSTRACT

The present invention concerns a recombinant adenoviral vector derived from an adenovirus genome in which at least a part of the E3 region is deleted or is nonfunctional, wherein said adenoviral vector retains E3 sequences encoding a functional 14.7K protein, a functional 14.5K protein, and/or a functional 10.4K protein. The present invention further relates to the use of a polynucleotide comprising at least one or more gene(s) of an E3 region of an adenovirus, taken individually or in combination, to protect from an inflammatory reaction in a host cell, tissue, or organism. The present invention additionally concerns a viral particle, a host cell and a composition comprising said recombinant adenoviral vector or said polynucleotide, as well as their use for therapeutic or prophylactic purposes.